

M E M O R A N D U M

June 30, 1980

Site: A.L. Taylor.  
Break: 2.1  
Other: x11.9

TO: RICHARD M. FRY, Manager *HL for info*  
Field Operations Branch

THROUGH: ROSS SINGLETON, Environmental Supervisor  
Field Operations Branch

FROM: ROBERT KOENTOP, Environmental Specialist *RK*  
Field Operations Branch

SUBJECT: Reliance Universal Clean-up at the A. L. Taylor Site

**RECEIVED**  
JUL 02 1980  
DIV. OF HAZARDOUS MATERIAL  
AND WASTE MANAGEMENT

The following is a summary of events that occurred during the Reliance Universal/CECOS clean-up operations at the Valley of the Drums.

June 3 - Initial meeting with myself, Paul Brooks (Reliance Project Supervisor),  
(Tuesday) Bob Marcklinger (CECOS Project Supervisor) and Gil Monacelli (CECOS Chemist) to discuss tentative scheduling of events.

CECOS Mobile Lab arrives on site at 10:30 a.m.

Since all materials sampled by Reliance personnel were "identifiable", a new analysis program was developed. A proportional ratio of individual sample versus its corresponding drum contents (amount in volume) will be batched for a representative composite sample. Three "sectional composites" and one total composite will be made for analysis. This is done to help guard against possible problems in the total composite test results (a narrowing effect by the three sectional composites in case the total composite shows chlorinated contamination).

1. The batching ratio consists of: 1 gallon of material (in the sampled drum) = 1 ml of sample material. A full drum (55 gallons) of liquid would be represented by 55 ml in the composite sample.
2. The following categories of materials made up the composites:
  - Stains
  - Solvents
  - Paints (solvent-based)
  - Tinting Paste
  - Varnish
  - Filter Media Waste (a solvent wash)
  - Resins
  - Lacquers
  - Dirty Red (solvent mix)

June 4 - Inland Waters Pollution Control, Inc. (Detroit, Michigan) - subcontractors  
(Wednesday) arrive on site.

Composite sampling formation begins by Gil Monacelli.

Excavation for the berm area and access roads to various sections (for vac-truck accessibility) on site commences.



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First deliveries of lime for purposes of lining the berm-area and solidifying contaminated water arrive.

June 5 - Compositing of samples continues.

(Thursday) Berm area completed and lined with lime.

June 6 - Composite of samples completed.

(Friday) Chain of Custody forms filled out to CECOS and samples taken to Environmental Consultants, Inc. (Clarksville, Indiana) for analysis. Tests for halogenated hydrocarbons, PCBs, Kepones, toxic metals and titanium, % ash, flashpoint, and BTU value will be run.

Designated "empty" drums being removed from sections and crushed by a front-end loader in the berm area.

June 9 - Remaining empty drums and solids containing drums are being removed (Monday) to berm area for crushing. Extra lime is added to the berm area to absorb and solidify any free liquids present.

First load of empties and crushed solids are hauled to the CECOS landfill in Williamsburg, Ohio (Manifest number: ALT 01).

No liquids are being pumped until the chemical analysis is completed - contract talks for liquids begin with the MSD (Cincinnati, Ohio) Industrial Incinerator representatives.

The CECOS chemist's initial analyses reported:

| Sectional<br>Composite # | F.D. (°F) | Sp. Gr. | pH |
|--------------------------|-----------|---------|----|
| 1                        | 86        | .92     | 7  |
| 2                        | 77        | .95-.96 | 7  |
| 3                        | 84        | .895    | 7  |

No presence of chlorinated hydrocarbons indicated via the "vapor-litmus test".

June 10 - Solids removal and crushing continues.

(Tuesday) Second and third loads hauled to Ohio (ALT 02,03).

At 12:00 Noon, a press conference held by our Department (Jack Wilson, Ken Hoskins, Art Curtis) and Reliance Universal (Paul Brooks).

Arrangements verified by MSD (Cincinnati) Incinerator to accept the liquids pending chemical analysis.

June 11 - Vac-truck arrives on site and pumping of liquids to a 7500 gallon (Wednesday) holding tanker begins.

"Pumped liquid drums" containing solid residue are removed from rows and taken to the berm area for crushing.

Bob Marcklinger leaves site to obtain the liquid's chemical analysis (from E.C.I.) and hand deliver it to the Cincinnati MSD office.

Two additional loads of solids leave site (ALT 04,05).

June 12 - Pumping of liquids continue, as does the crushing of drums in the berm (Thursday) area.

The liquid chemical analysis is verified as acceptable by Cincinnati MSD. However, the incinerator is being shut down for scheduled maintenance, therefore, arrangements to temporarily store the liquid in bulk at the MSD site are made.

The drum crusher is connected to run to a portable generator.

Two loads leave site for the CECOS landfill (ALT 06,07).

June 13 - Pumping of liquids and crushing of drums continue.  
(Friday) Bill Rutledge (Vice President-Reliance Universal) arrives on site to inspect operations.

A second holding tanker delivered by Inland Waters.

Three loads leave site for CECOS landfill (ALT 08,09,10).

June 16 - Pumping of liquids and crushing of solids continue.  
(Monday) Approximately 450 drums have been removed from the "Valley" to date.

One load manifested - ALT 11, leaves site for Ohio.

June 17 - A full site inspection with Paul Brooks revealed 57 additional drums found on site as belonging to Reliance (a total of 117 non-marked Reliance drums were found).

NOTE: All 117 drums were sampled. No unidentifiable materials were found and were therefore crushed and solidified with lime.

The pumping of liquids completed.

A Time Magazine reporter visited the site, accompanied by Ken Hoskins.

Three loads of solids (ALT 12,13,14) leave the site for disposal.

June 18 - Removal from rows and crushing of the remaining drums completed.  
(Wednesday)

The drum crusher is disconnected and removed from the site.

Berm area limed and scooped into a trailer (with the last of the drums) for disposal at the CECOS landfill. The same procedure was used concerning the drum crusher area.

Drainage ditches reopened.

Lime pile leveled.

Vac-truck leaves site.

Four loads of solids leave site for the CECOS landfill (ALT 15,16,17,18).

The three tankers holding Reliance Universal's liquid waste remain on site.

June 19 - The three tankers leave site, manifested to the MSD (Cincinnati)  
(Thursday) Industrial Incinerator (ALT 19,20,21).

All clean-up operations are considered completed.

The site was restored to its original integrity prior to commencement

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of clean-up operations.

RK/lrw

cc: Caroline P. Haight  
Art Curtis